



PATENTS
103068-0003U

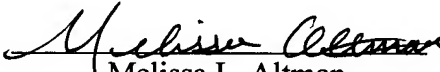
IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re The Application of:)
Stephen B. Murphy)
Serial No.: 10/565,921) Examiner: Not yet assigned
Filed: January 25, 2006) Art Unit: Not yet assigned
For: VIRTUAL TRIAL REDUCTION)
SYSTEM FOR HIP ARTHRO-)
PLASTY AND COORDINATE)
SYSTEMS THEREFOR)

Cesari and McKenna, LLP
88 Black Falcon Avenue
Boston, MA 02210
March 21, 2006

CERTIFICATE OF MAILING

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Melissa L. Altman

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In keeping with the duty of candor and good faith owed to the Patent and Trade-mark Office, Applicant wishes to bring to the Examiner's attention the references listed on the accompanying form PTO-1449. A copy of each listed reference is enclosed.

To the extent required by 37 C.F.R. §1.98(a)(3), Applicant has described what he considers to be the relevance of any foreign-language reference. The Office may find additionally relevant material in these or other references.

Please charge any additional fee occasioned by this paper to our Deposit Account No. 03-1237.

Respectfully submitted,



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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	1	of	3
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Complete if Known

Application Number	10/565,921
Filing Date	January 25, 2006
First Named Inventor	Stephen B. Murphy
Group Art Unit	Not yet assigned
Examiner Name	Not yet assigned
Attorney Docket Number	103068-0003U

U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

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**Examiner
Signature**

Date
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¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS			
Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	7	GORTON, GEORGE ET AL. "Assessment of the Kinematic Variability Between Twelve Shriners Motion Analysis Laboratories Part 2: Short term follow up" Shriners Hospital for Children, Springfield, MA	
	8	SEIDEL, GEOFFREY K. ET AL. "Technical Note Hip Joint Center Location From Palpable Bony Landmarks-A Cadaver Study", J. Biomechanics, Vol. 28 No. 8 99. 995-998, Elsevier Science Ltd. 1995.	
	9	DAVID HEBERT ET AL. "Effect of Pelvic Depth and Pelvic Width Measurement on Hip Kinematics and Kinetics", Shriners Hospital for Children, Springfield, MA 01104.	
	10	CHEUNG, YVONNE Y. ET AL., "A Web-Based Tutorial of Acetabular Fractures Image Analysis", www.bidmc.harvard.edu/radio...arch/CT/cheung_paper/analysis.html, site visited December 10, 2002.	
	11	TROUSDALE, ROBERT T. ET AL., "Nonarthroplastic Treatment of Hip Dysplasia in Adults" Hospital Physician, Orthopaedic Surgery Board Review Manual, Orthopaedic Surgery Volume 6, Part 1, Turner White Communications, Inc. 2000.	
	12	MARCHINDA, DAVID ET AL., "A Comparison Study of Hip Joint Center Location Models," Center for Human Kinetic Studies, Mary Free Bed Hospital and Rehabilitation Center, Grand Valley State University, Grand Rapids, MI, http://www.mfbrc.com/MAC/MACHjc%20compare.htm, site visited December 9, 2002.	
	13	TERRY, MICHAEL A. ET AL. "Measurement Variance in Limb Length Discrepancy: Clinical and Radiographic Assessment of Interobserver and Intraobserver Variability" Lippincott Williams & Wilkins, J. Pediatr Orthop Volume 25, Number 2, March/April 2005.	
	14	VINEET K. SARIN, ET AL., "Accurate Femur Repositioning is Critical During Intraoperative Total Hip Arthroplasty Length and Offset Assessment" Kinamed Navigation Systems LLC, Camarillo, California and Alta Orthopaedics, Santa Barbara, CA, Elsevier Inc. 2005.	
	15	CUCKLER, JOHN M., "LIMB Length and Stability in Total Hip Replacement," Hip Arthroplasty: Avoiding Pitfalls, Managing Problems, September 2005.	
	16	KIEFER, HARTMUTH ET AL. "OrthoPilot Total Hip Arthroplasty Workflow and Surgery, Orthopedics, October 2005, Volume 28, Number 10/Supplement, Department of Orthopaedic and Trauma Surgery at Lukas Hospital.	
	17	GOLDSTEIN, WAYNE M. ET AL. "Leg Length Inequality in Total Hip Arthroplasty" Orthopedics, September 2005, Volume 28, Number 9/Supplement	
	18	KONYVES, A. ET AL. "The Importance of Leg Length Discrepancy After Total Hip Arthroplasty," The Journal of Bone and Joint Surgery, Volume 87-B, No. 2, February 2005.	
	19	LAZOVIC, DJORGJE ET AL. "Results with Navigated Bicontact Total Hip Arthroplasty" Orthopedics, October 2005, Volume 28, Number 10/Supplement.	
	20	SARIN, VINEET K. ET AL. "Accurate Femur Repositioning is Critical During Intraoperative Total Hip Arthroplasty Length and Offset Assessment," The Journal of Arthroplasty, Volume 20, No. 7, 2005.	

Examiner Signature		Date Considered	
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OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS

Examiner Initials *	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	21	Acetabular Fractures, http://www.amirmd.com/ortho-info/acetabularfx.html , site visited February 16, 2006.	
	22	MURPHY, STEPHEN B. MURPHY ET AL., "Acetabular Dysplasia in the Adolescent and Young Adult," Department of Orthopaedic Surgery, Children's Hospital Medical Center and Massachusetts General Hospital, Boston, MA, Presented at 18 th Open Scientific Meeting of the Hip Society, February 11, 1990.	
	23	STARR, ROLAND ET AL., "A New Model of Three Dimensional Trunk Kinematics" Hugh Williams Gait Laboratory, Royal Children's Hospital, Parkville, VIC, Australia.	
	24	BELL, ALEXANDER L. ET AL. "A Comparison of the Accuracy of Several Hip Center Location Prediction Methods" J. Biomechanics Vol. 23, No. 6 pp. 617-621, 1990.	
	25	D'LIMA, DARRYL D. ET AL., "Standard For Hip Joint Coordinate System Recommendations from the ISB Standardization Committee," pgs. 1-8.	
	26	"Sulzer Orthopedics Joint Care/ Fracture Care, Converge Porous Acetabular System Surgical Technique" Sulzer Medica, Sulzer Orthopedics Inc. December 2002, Austin, TX.	
	27	EBRAHEIM, NABIL, ET AL., "Correlation Between Symphysis Pubis' Opening and SIJ's Opening During Open Book Injury" Biomechanics Laboratory, Department of Mechanical, Industrial and Manufacturing Engineering, University of Toledo, Toledo, Ohio.	
	28	KIRKWOOD, R.N. ET AL. "Radiographic and Non-Invasive Determination of the Hip Joint Center Location: Effect on Hip Joint Angles," Canadian Society for Biomechanics-American Society of Biomechanics, August 14-18, 1998, http://ash-bimech.org/onlineabs/NACOB98/23/ , site visited December 9, 2002.	
	29	PIAZZA, STEPHEN J. ET AL., "Determinants of the Accuracy of the Functional Method of the Hip Joint Center Location," Center for Locomotion Studies and Departments of Kinesiology.	
	30	http://isb.ri.ccf.org/biomch-1/archives/biomch-1-1991-06/00013.html site visited December 9, 2002, Pelvic Orientation.	
	31	LYON, THOMAS ET AL., "Anterior Placement of a Pelvic Stabilizing Clamp: An Anatomical Evaluation of Danger Areas and Comparison of Placement Sites in Normal and Fractured Cadaveric Pelvi" http://www.aaos.org/wordhtml/anmeet99/poster/340.htm , AAOS On-Line Service-1999, site visited December 9, 2002.	
	32	PRASAD, SRINIVAS ET AL., "Minimally-Invasive Approach to Pelvic Osteolysis" Presentation, May 10, 2001.	

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